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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/556,982	04/24/2000	William Vong	3797.875	6962

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EXAMINER

ABDULSELAM, ABBAS I

ART UNIT	PAPER NUMBER
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2674

DATE MAILED: 04/09/2003

14

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/556,982

Applicant(s)

VONG ET AL.

Examiner

Abbas I Abdulsalam

Art Unit

2674

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 December 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,5-11,15-24,26,28-32 and 36-55 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

- 5) ☐ Claim(s) _____ is/are allowed.

- 6) ☒ Claim(s) 1-3,5-11,15-24,26,28-32 and 36-55 is/are rejected.

- 7) ☐ Claim(s) _____ is/are objected to.

- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☒ Interview Summary (PTO-413) Paper No(s). 13.
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____. 6) ☐ Other: _____

Art Unit: 2674

DETAILED ACTION

Claim Rejections U.S.C. 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3, 5-11, 15-24, 26, 28-32, 36-55 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sang-jin Lee (USPN 6191758) in view of Kaply (USPN 6112215).

Regarding claims 1, 20, 28, 36, 47 and 54-55, Sang-jin Lee teaches a computer with the main display (10) and an auxiliary display (12). Sang-jin Lee teaches that main application programs are to be displayed on the main display device and auxiliary application programs are displayed on auxiliary display device. See column 4, lines column 4, lines 32-53 and Fig 1. Sang-jin Lee teaches the main display controller (216) and the auxiliary display controller (218), each determining the execution result of the application program to its respective display device. See column 5, lines 44-55, Fig 3 and Fig 4. Sang-jin Lee also teaches a computer system having an external RS232C interface device for communication purpose. See Fig 2. Furthermore, Sang-jin Lee teaches the auxiliary display device, its method and application execution with respect to the enablement of the auxiliary memory. However, Sang-jin Lee does not teach an additional input user interface applicable to the second application to be displayed on the auxiliary display. Kaply

Art Unit: 2674

on the other hand teaches the user interface adapter (22) through which various forms of input devices are interconnected. See Fig 1.

Therefore it would have been obvious to one skilled in the art to modify Sang-jin Lee's computer system to include Kaply's user interface adapter. One would have been motivated in view of the suggestion in Kaply that the user interface adaptor (22) provides the desired additional input user interface. The use of user interface adaptor helps function user -interactive computer display system as taught by Kaply.

Regarding claims 2-3, 7-8, 43 and 45-46, See S. Lee's Fig 1 (10, 12).

Regarding claim 5, S. Lee teaches the use of RS232C interface device in connection to auxiliary display device. See Fig 2.

Regarding claim 6, S. Lee teaches a keyboard controller (518) for controlling the keyboard (56). See column 67, lines 18-19, Fig 1 and Fig 5.

Regarding claims 9-11, 23-24 and 42, S. Lee teaches an auxiliary memory (622) including graphic memories (614, 616) for storing purposes, a second data serializer (618) for converting into an appropriate form of data, and displaying the data through second attribute controller(620). See column 6, lines 53-65.

Art Unit: 2674

Regarding claims 31-32 and 38-39, S. Lee teaches a keyboard controller (220) along with a serial interface device communicating with external interface device. See column 5, lines 11-14.

And Fig 2

Regarding claims 37 and 40-41 S. Lee teaches an auxiliary display controller (218) for controlling the auxiliary display device (24). Column 5, lines 24-28.

Regarding claims 15-16, S. Lee teaches a vacuum fluorescent display (VFD) (18) which performs a predetermined program. See column 4, lines 32-41 and Fig 1.

Regarding claims 17-19, 21-22, 26 29-30 and 44, S. Lee teaches executing application program (S40) followed by determination of selection information of a display device (S42). Fig 4.

Regarding claims 48-53, B. Lee teaches the use of programs and engineering techniques including links such as the Internet and other networks through which codes are transmitted. See column 7, lines 26-42.

Art Unit: 2674

Conclusion

2. The prior art made of record and not relied upon is considered to applicant's disclosure.

The following arts are cited for further reference,

U.S. Pat. No.5,049,873 to Robins et al.

U.S. pat. No. 6,025,871 to Kantor et al.

U.S. pat. No. 6,522,985 to Swoboda et al.

Art Unit: 2674

3. Any inquiry concerning this communication or earlier communication from the examiner should be directed to **Abbas Abdulsalam** whose telephone number is **(703) 305-8591**. The examiner can normally be reached on Monday through Friday (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard Hjerpe**, can be reached at **(703) 305-4709**.

Any response to this action should be mailed to:

Commissioner of patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314

Hand delivered responses should be brought to crustal park II, Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology center 2600 customer Service office whose telephone number is (703) 306-0377.

Abbas Abdulsalam

Examiner

Art Unit 2674

